

深空探测学报(季刊)

第2卷 第3期 2015年9月

目次

综 述

- 基于光学图像的撞击坑识别研究综述 丁萌,李海波,曹云峰,等 (195)
- 深空探测磁动力技术研究进展 王伟,马彦涵,周易倩,等 (203)

论 文

- 高精度 VLBI 技术在深空探测中的应用 刘庆会,吴亚军 (208)
- 月壤剖面冲击贯入式探测方案研究 沈毅,王冬,姜生元,等 (213)
- 火星软着陆能量最优制导律转移能力分析 秦同,朱圣英,崔平远 (218)
- 火星进入段探测器自校准状态估计 傅惠民,娄泰山,肖强 (224)
- 载人小行星探测任务总体方案研究 张泽旭,郑博,周浩,等 (229)
- 用于小行星探测的离子推力器技术研究 郑茂繁,耿海,梁凯,等 (236)
- 一种基于陨石坑拟合椭圆的着陆器位姿估计算法 高锡珍,邵巍,冷君阁,等 (241)
- 星间洛仑兹力编队飞行的平衡点及零速度曲面 彭超,高扬 (246)
- 一种小推力借力飞行转移轨道初始设计方法 郑博,张泽旭,周浩,等 (256)
- 资源约束突变的航天器观测快速重调度优化算法 赵凡宇,徐瑞,崔平远 (262)
- 异地天线组阵站间时延差修正技术与验证 刘文俊,郝万宏,谌明,等 (267)
- 空间碎片偏振光谱成像探测技术研究 姜会林,江伦,付强,等 (272)
- 基于非线性未知输入观测器的航天器故障诊断 程瑶,王日新,徐敏强 (278)
- 航天器与空间碎片的混合编队重构控制与应用 张文浩,闻新,院老虎,等 (283)

Journal of Deep Space Exploration

Vol. 2 No. 3 (September, 2015)

CONTENTS

Review

Research Survey of Passive Image-Based Impact

Crater Detection DING Meng, LI Haibo, CAO Yunfeng, et al (195)

Research Progress on Magnetic Propulsion in Deep

Space Exploration WANG Wei, MA Yanhan, ZHOU Yiqian, et al (203)

Article

Application of High Precision VLBI Technology in Deep

Space Exploration LIU Qinghui, WU Yajun (208)

Research on Impact Type Penetrator for Lunar

Regolith Exploration Project SHEN Yi, WANG Dong, JIANG Shengyuan, et al (213)

Divert Capability Analysis of the Energy Optimal Guidance

Law for Mars Soft Landing QIN Tong, ZHU Shengying, CUI Pingyuan (218)

Self-Calibration Estimation of Mars Vehicle in its

Entry Phase FU Huimin, LOU Taishan, XIAO Qiang (224)

Overall Scheme of Manned Asteroid

Exploration Mission ZHANG Zexu, ZHENG Bo, ZHOU Hao, et al (229)

Research on Ion Thruster Technology for

Asteroid Exploration ZHENG Maofan, GENG Hai, LIANG Kai, et al (236)

An Attitude and Position Determination Algorithm of Lander

Based on Craters for Precision Landing GAO Xizhen, SHAO Wei, LENG Junge, et al (241)

Equilibrium Points and Zero-Velocity Surfaces in the Presence of

Inter-Satellite Lorentz Force PENG Chao, GAO Yang (246)

A Novel Initial Design for Low-Thrust Transfer

Trajectories Using Gravity-Assist ZHENG Bo, ZHANG Zexu, ZHOU Hao, et al (256)

Rescheduling Optimization for Spacecraft Observation with

Resource Constraints Changing ZHAO Fanyu, XU Rui, CUI Pingyuan (262)

Research and Experiment of Time-Delay Correction Approach Based on

Remote Multi-Antenna Arraying LIU Wenjun, HAO Wanhong, CHEN Ming, et al (267)

Discussion of the Polarization Spectral Imaging Observations

Technology with Space Debris JIANG Huilin, JIANG Lun, FU Qiang, et al (272)

Spacecraft Actuator Fault Diagnosis Based on Nonlinear

Unknown Input Observer CHENG Yao, WANG Rixin, XU Minqiang (278)

Control and Application of Mixed Formation of Spacecraft

and Space Debris ZHANG Wenhao, WEN Xin, YUAN Laohu, et al (283)